

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No NMLC029435B
2. Name of Operator APACHE CORPORATION		6. If Indian, Allottee or Tribe Name
3a. Address 303 VETERANS AIRPARK LANE SUITE 3000 MIDLAND, TX 79705		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No (include area code) Ph: 432.818.1167		8. Well Name and No NFE FEDERAL 12
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 8 T17S R31E NWNW Lot D 905FNL 900FWL		9. API Well No 30-015-39222-00-X1
		10. Field and Pool, or Exploratory CEDAR LAKE
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BOND#: BLM-CO-1463

APACHE REQUEST:

Accepted for record
NMOCDApproval Subject to General Requirements
& Special Stipulations Attached

1. Request Chg in cmt design for Intermediate (please note cmt volumes will be adjusted based on fluid caliper measurement) Apache proposes to core 360' in Yeso formation.

Hole	Depth	OD Csg	Wt Collar	Grade	Collapse	Burst	Tension
11"	0-3500'	8-5/8"	32#	STC	J55	2530psi	3930psi 372/1000#
7-7/8"	0-6500'	5-1/2"	17#	LTC	J55	4910psi	5320psi 247/1000#

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #129575 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad Committed to AFMSS for processing by DEBORAH MCKINNEY on 01/31/2012 (12DLM0527SE)	
Name (Printed/Typed) SORINA L FLORES	Title SUPERVISOR - DRILLING SERVICES
Signature (Electronic Submission)	Date 01/31/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By TED MORGAN	Title PETROLEUM ENGINEER	Date 02/16/2012
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon		Office Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #129575 that would not fit on the form

32. Additional remarks, continued

INTERMEDIATE:

1st Stage Lead

390 sx CI C 35/65 Poz w/6% Bentonite, 0.25% R38, 5% NaCL

(wt: 12.8ppg, yld: 1.9) 100% excess

1st Stage Tail

100sx CI C w/0.25% R38 (wt: 14.8ppg, yld: 1.33) 100% excess

2nd Stage Lead

700sx CI C w/2% CaCL, 0.25% R38 (wt: 14.8, yld: 1.35) 100% excess

DVT will be set +/- 1800' (DVT depth may change pending water flow)

PRODUCTION:

1st Stage Lead:

300sx CI C 35/30 Poz w/6% Bentonite, 0.25% R38, 5% NaCL (wt: 12.4, yld: 2.1)

1st State Tail:

700sx CI C 50/50 Poz w/2% Bentonite, 0.25% R38, 5% NaCL (wt: 14.2, yld: 1.3)
(35% excess)

MJ to be set +/- 4500'

**NFE Federal #12
Apache Corporation
30-015-39222
Feb 9, 2012
Conditions of Approval**

REQUESTS:

1/31/2012 Apache requests the following revisions to primary cement jobs:

- **8-5/8"** casing set at **3500'** in **11"** hole – DVT at **1800'** for 2 stage cement job.
- **5-1/2"** casing set at **6500'** in **7-7/8"** hole – Single Stage cement job.

CONDITIONS OF APPROVAL:

Original COA is still applicable. The Cement Design revision for the **8-5/8"** Intermediate Casing and **5-1/2"** Production Casing are approved with the following Conditions:

Operator has proposed a DV tool depth of +/-1800 feet. If the DV tool cannot be set within +/-50' of that depth. Operator shall submit a sundry requesting a depth change.

1. The minimum required fill of cement behind the **8-5/8** inch intermediate casing is:
Operator intends to adjust slurry volumes based on caliper log results.

a. First stage:

- ☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage.

b. Second stage above DV tool:

- ☒ Cement to circulate. Operator to contact BLM if circulation not achieved.

2. The minimum required fill of cement behind the **5-1/2** inch production casing is:

- ☒ Cement to **500'**. Operator must provide method of verification.

3. The placement of a marker joint at approximately **4500'** in the **5-1/2"** Production Casing string is approved.

TMM 2/10/2012